## AUSTRALIAN COMMISSION ON SAFETY AND QUALITY IN HEALTH CARE



# On the Radar

Issue 486 19 October 2020

*On the Radar* is a summary of some of the recent publications in the areas of safety and quality in health care. Inclusion in this document is not an endorsement or recommendation of any publication or provider. Access to particular documents may depend on whether they are Open Access or not, and/or your individual or institutional access to subscription sites/services. Material that may require subscription is included as it is considered relevant.

*On the Radar* is available online, via email or as a PDF or Word document from https://www.safetyandquality.gov.au/publications-and-resources/newsletters/radar

If you would like to receive *On the Radar* via email, you can subscribe on our website <u>https://www.safetyandquality.gov.au/publications-and-resources/newsletters</u> or by emailing us at <u>mail@safetyandquality.gov.au</u>. You can also send feedback and comments to <u>mail@safetyandquality.gov.au</u>.

For information about the Commission and its programs and publications, please visit https://www.safetyandquality.gov.au

You can also follow us on Twitter @ACSQHC.

**On the Radar** Editor: Dr Niall Johnson <u>niall.johnson@safetyandquality.gov.au</u> Contributors: Niall Johnson, Kim Packham

### **COVID-19** resources

### https://www.safetyandquality.gov.au/covid-19

The Australian Commission on Safety and Quality in Health Care has developed a number of resources to assist healthcare organisations, facilities and clinicians. These and other material on COVID-19 are available at <a href="https://www.safetyandquality.gov.au/covid-19">https://www.safetyandquality.gov.au/covid-19</a>

The latest additions include:

• COVID-19: Aged care staff infection prevention and control precautions poster https://www.safetyandquality.gov.au/publications-and-resources/resource-library/covid-19aged-care-staff-infection-prevention-and-control-precautions-poster

STOP DO NOT VISIT A RESIDENT BEFORE SEEING RECEPTION Precautions for staff caring for aged care home residents who are suspected, probable, or confirmed COVID-19 cases'		
Before entering a resident's room with suspected, probable, or confirmed COVID-19	After you finish providing care	
Perform hand hygiene           With Mady with Soga and water russ analotools based hand           With Mady with Soga and water russ analotools based hand           With With With With With With With With	Remove your gloves, gown and eyewear     A Remove your gloves, dippose of them is a size paint Dividio set also and particular the size paint Dividio set also and particular the size an extension Dividio set also and particular the size and and Dividio set also and and and and and and and Dividio set also and and and and and and and Dividio set also and and and and and and and and and Dividio set also and	
Put on your P2/N95 respirator mask     Audit de marking to book through and     audit de marking to book and     audit de marki	Remove your mask           Save and off them behaviour hand by sufficient of the service of	
Check the fit of your P2/N85 respirator mask Check the fit of your P2/N85 respirator mask to lef any in the reading Check the used of a mask by harding or good any experiment in the branch of the source of the your hard experiment in the source of the your hard Check the used of the mask by hearting of good any Check the used of the mask by hearting of good any Check the used of the mask by hearting of good any Check the used of the mask by hearting of good any Check the used of the mask by hearting of good any Check the used of the mask by hearting of good any Check the used of the mask by hearting of good any Check the used of the mask by hearting of good any Check the used of the mask by hearting of good any Check the used of the mask by hearting of good any check the source of the so	Perform hand hygiene again Wah hundu with loog and water or use an activit based hund ob	
For mark data on 2 ones informed your face, in a second ones informed your face, in a second one of the local set and address of the mark data of the local set and address of the local set and the local second ones. The local second ones information in the local second ones and the local second one	IMPORTANT To protect yourself and your family and friends, when your shift finishes, change into clean cothers a twork, if possible, and puty our cothers in a plastic bag. Go straight home, shower immediately and wash all of your work cothers and the cothers you wore home.	
Never touch the front of the mask after the fit check is comp     Change the mask when it becomes wet or dirty.     Never rease masks.     Never ones does of rooms does of it possible.	leted, and while providing care.	
Control by the spread of COVID-     Stay home from work (Fyou are sizk.     Perform hand hygiene frequently, and before and after you attend potentially containniated aurores.     Control and the second starters and country of the second starters and country of the second starters and the second starters and st	every resident, and after contact with providing resident care, if possible, uched surfaces. and used line in designated bagy/bins.	
*There are many logan of readings makes Follow the monthshare's individual to the lowed you want to a AUSTRALIAN COMMISSION ON SAFETY AND QUALITY IN HEALTH CARE	The content of this poster was informed by resources developed by the NSW Clinical Excelence Commission and the Vidorain Department of Health and Human Sanrices. Photos reproduced with parmission from the NSW Clinical Excelence Commission.	

- Environmental Cleaning and Infection Prevention and Control www.safetyandquality.gov.au/environmental-cleaning
- Infection prevention and control Covid-19 PPE poster <u>https://www.safetyandquality.gov.au/publications-and-resources/resource-library/infection-prevention-and-control-covid-19-personal-protective-equipment</u>
- Special precautions for Covid-19 designated zones poster https://www.safetyandquality.gov.au/publications-and-resources/resource-library/specialprecautions-covid-19-designated-zones
- COVID-19 infection prevention and control risk management Guidance https://www.safetyandquality.gov.au/publications-and-resources/resource-library/covid-19infection-prevention-and-control-risk-management-guidance
- Safe care for people with cognitive impairment during COVID-19 https://www.safetyandquality.gov.au/our-work/cognitive-impairment/cognitive-impairmentand-covid-19

- Medicines Management COVID-19 <u>https://www.safetyandquality.gov.au/our-work/medication-safety/medicines-management-covid-19</u>, including position statements on medicine-related issues
  - Managing fever associated with COVID-19
  - Managing a sore throat associated with COVID-19
  - ACE inhibitors and ARBs in COVID-19
  - Clozapine in COVID-19
  - Management of patients on oral anticoagulants during COVID-19
  - Ascorbic Acid: Intravenous high dose in COVID-19
  - Treatment in acute care, including oxygen therapy and medicines to support intubation
  - Nebulisation and COVID-19
  - Managing intranasal administration of medicines during COVID-19
  - Ongoing medicines management in high-risk patients
  - Medicines shortages
  - Conserving medicines
  - Intravenous medicines administration in the event of an infusion pump shortage
- Potential medicines to treat COVID-19
   <u>https://www.safetyandquality.gov.au/publications-and-resources/resource-library/potential-medicines-treat-covid-19</u>
- Break the chain of infection: Stopping COVID-19 poster https://www.safetyandquality.gov.au/publications-and-resources/resource-library/break-chainposter-a3



- COVID-19: Elective surgery and infection prevention and control precautions https://www.safetyandquality.gov.au/publications-and-resources/resource-library/covid-19elective-surgery-and-infection-prevention-and-control-precautions
- FAQs for clinicians on elective surgery https://www.safetyandquality.gov.au/node/5724
- FAQs for consumers on elective surgery <u>https://www.safetyandquality.gov.au/node/5725</u>
- FAQs on community use of face masks https://www.safetyandquality.gov.au/faqs-community-use-face-masks
- COVID-19 and face masks Information for consumers https://www.safetyandquality.gov.au/publications-and-resources/resource-library/covid-19and-face-masks-information-consumers

### AUSTRALIAN COMMISSION ON SAFETY AND QUALITY IN HEALTH CARE



for consumers

## **COVID-19** and face masks

#### Should I use a face mask?

Wearing face masks may protect you from droplets (small drops) when a person with COVID-19 coughs, speaks or sneezes, and you are less than 1.5 metres away from them. Wearing a mask will also help protect others if you are infected with the virus, but do not have symptoms of infection.

Wearing a face mask in Australia is recommended by health experts in areas where community transmission of COVID-19 is high, whenever physical distancing is not possible. Deciding whether to wear a face mask is your personal choice. Some people may feel more comfortable wearing a face mask in the community.

When thinking about whether wearing a face mask is right for you, consider the following:

- Face masks may protect you when it is not possible to maintain the 1.5 metre physical distance from other people e.g. on a crowded bus or train
- Are you older or do you have other medical conditions like heart disease, diabetes or respiratory illness? People in these groups may get more severe illness if they are infected with COVID-19
- Wearing a face mask will reduce the spread of droplets from your coughs and sneezes to others (however, if you have any cold or flu-like symptoms you should stay home)
- A face mask will not provide you with complete protection from COVID-19. You should also do all of the other things listed below to prevent the spread of COVID-19.

#### What can you do to prevent the spread of COVID-19?

Stopping the spread of COVID-19 is everyone's responsibility. The most important things that you can do to protect yourself and others are to:

- Stay at home when you are unwell, with even mild respiratory symptoms
- Regularly wash your hands with soap and water or use an alcohol-based hand rub
- Do not touch your face
- Do not touch surfaces that may be contaminated with the virus
- Stay at least 1.5 metres away from other people (physical distancing)
- Cover your mouth when you cough by coughing into your elbow, or into a tissue. Throw the tissue away immediately.



### National Safety and Quality Primary Healthcare Standards Consultation

https://www.safetyandquality.gov.au/standards/national-safety-and-quality-primary-healthcare-nsqph-standards

The Australian Commission on Safety and Quality in Health Care is developing safety and quality standards for primary healthcare services. The draft *National Safety and Quality Primary Healthcare* (*NSQPH*) *Standards* address key safety and quality issues for primary healthcare services and highlight the importance of clinical governance and consumer partnerships in effective safe and high-quality care.

The NSQPH Standards are now available and open for comment until close of business, Friday 27 November 2020. Visit the Commission's <u>website</u> to review the draft standards, and to submit your feedback or register to participate in an online consultation forum.

### Reports

rpavirtual: A new way of caring

Deeble Institute Perspectives Brief No. 13

Shaw M, Anderson T, Sinclair T, Raffan F, Dearing C, Hutchings O, et al Canberra: Australian Healthcare and Hospitals Association; 2020. p. 7.

inseria. 1	rustianan meantaic and mosphais Association, 2020. p. r.
	https://ahha.asn.au/health-policy-perspective-briefs
URL	https://ahha.asn.au/sites/default/files/docs/policy-
	issue/deeble_perspectives_brief_no13 - rpavirtual - a_new_way_of_caring.pdf
	The Australian Healthcare and Hospitals Association's Deeble Institute has released
	two new Perspective Briefs. This brief recounts the development, implementation and
	then rapid scaling up in the face of a pandemic of the RPA Virtual Hospital (known as
	rpavirtual). Rpavirtual, is a new model of care which combines Sydney Local Health
	District's integrated hospital and community care with digital solutions. Rpavirtual was
	able to rapidly scale-up to provide virtual care for over 2,000 COVID-19 patients in
	quarantine. In addition, rpavirtual has also implemented the following models of care:
	• care for patients in health hotel quarantine
Notes	<ul> <li>medication monitoring for immune-supressed patients</li> </ul>
	• mental health medication monitoring and wellbeing surveys
	• residential aged care facilities triage line and ambulance board monitoring, and
	• a virtual fracture clinic.
	The brief also notes the importance of the patient experience. The authors observe
	that 'The patient experience data demonstrates that clinician assessment, monitoring
	and treatment within the hospital context can be delivered safely via technology in the
	community environment; and, patients accept and respond well to comprehensive,
	supportive care delivered through virtual technologies.'
	The development of rpavirtual and its role earlier in the COVID-19 pandemic was the
	subject of an earlier issue of On the Radar (Issue 472) including a rapid evidence scan
	on the effectiveness of Virtual Hospital models of care
	(https://www.saxinstitute.org.au/news/virtual-hospitals-a-new-way-to-ease-
	healthcare-burdens/) and a podcast featuring the Chief Executive of Sydney Local
	Health District, Teresa Anderson, discussing the RPA Virtual Hospital and the
	COVID-19 pandemic (https://soundcloud.com/ahhapodcast/rpa-virtual-hospital-
	care-during-the-pandemic)

The Value Based Health Care landscape

Deeble Institute Perspectives Brief No. 14

Shadbolt B, Angeles MR, Kapoor T, Low C, McCrossin R, Shadbolt T, et al

Canberra: Australian Healthcare and Hospitals Association; 2020. p. 19. https://ahha.asn.au/health-policy-perspective-briefs https://ahha.asn.au/sites/default/files/docs/policy-URL. issue/deeble perspectives brief no. 14 the value based health care landscape.pdf The second Perspective Brief from the Australian Healthcare and Hospitals Association's Deeble Institute examines the factors that are likely to contribute to the success of value based health care in Australia. According to the Brief, the key success factors to implementing value based health care have been identified as falling into the themes of: • Defining value and effective data collection Notes Development and structuring effective information and computing • technologies Development and structuring integrated practice units and care pathways • Economics and finance Policy, planning and reforms ٠

> • Behavioural change.

Developmental Language Disorder and the National Disability Insurance Scheme (NDIS) Deeble Institute Evidence Brief No. 21

Walker C, Haddock R

Canberra: Australian Healthcare and Hospitals Association: 2020, p. 18.

URL
-----

### Journal articles

Catheter-Associated Urinary Tract Infection Reduction in a Pediatric Safety Engagement Network Foster CB, Ackerman K, Hupertz V, Mustin L, Sanders J, Sisson P, et al Pediatrics. 2020;146(4):e20192057.

	20,110(1):220172037.	
DOI	http://doi.org/10.1542/peds.2019-2057	
Notes	Paper describing the implementation and impact of catheter-associated urinary tract infection (CAUTI) prevention in a network of children's hospitals between 2011 and 2017 (eventually reaching 128 participating centres). The interventions included catheter insertion bundles and maintenance bundles. The paper reports that 'CAUTI rates across the network decreased 61.6%, from 2.55 to 0.98 infections per 1000 catheter-line days'.	

For information on the Commission's work on healthcare-associated infection, see <u>https://www.safetyandquality.gov.au/our-work/healthcare-associated-infection</u>

Impact of pharmacist interventions on medication errors in hospitalized pediatric patients: a systematic review and metaanalysis

Naseralallah LM, Hussain TA, Jaam M, Pawluk SA

International Journal of Clinical Pharmacy. 2020;42(4):979-994.

DOI	http://doi.org/10.1007/s11096-020-01034-z
Notes	A further addition to the literature indicating that involving pharmacists has value when it comes to reducing medication errors. In this case a systematic review and meta-analysis of the literature around medication errors among hospitalised children that saw 19 studies systematically reviewed and 6 studies (29,291 patients) included in the meta-analysis. The findings include:
	• Pharmacist interventions involved delivering educational sessions, reviewing prescriptions, attending rounds and implementing a unit-based clinical pharmacist.
	• The systematic review indicated that the most common trigger for pharmacist interventions was inappropriate dosing.
	• Pharmacist involvement was associated with significant reductions in the overall rate of medication errors occurrence (OR 0.27; 95% CI 0.15 to 0.49).

For information on the Commission's work on medication safety, see <a href="https://www.safetyandquality.gov.au/our-work/medication-safety">https://www.safetyandquality.gov.au/our-work/medication-safety</a>

### Australian Journal of Primary Health

Volume 26, No. 5 2020

<u>ianie 20, 1</u>	
URL	https://www.publish.csiro.au/py/issue/9751
	A new issue of the Australian Journal of Primary Health has been published. Articles in
	this issue of the Australian Journal of Primary Health include:
	• Priorities for primary health care policy implementation: recommendations
	from the combined experience of six countries in the Asia–Pacific (Ryuki
	Kassai, Chris van Weel, Karen Flegg, Seng Fah Tong, Tin Myo Han, Sairat
Notes	Noknoy, Myagmartseren Dashtseren, Pham Le An, Chirk Jenn Ng, Ee Ming
	Khoo, Kamaliah Mohd Noh, Meng-Chih Lee, Amanda Howe and Felicity
	Goodyear-Smith)
	• Does point-of-care testing in general practice for leucocyte and differential
	count change use of antimicrobial medicines? A pilot study (Oliver Frank,
	Nigel Stocks and Chris Del Mar)

•	<b>Obesity</b> : a sociological guide for health practitioners (Samuel G Grace) The Rohingya Little Local: exploring <b>innovative models of refugee</b> <b>engagement</b> in Sydney, Australia (Amy Bestman, Jane Lloyd, Barbara Hawkshaw, Jawat Kabir and Elizabeth Harris) Program description and implementation findings of <b>MyCare: enhancing</b> <b>community mental health care</b> in Tasmania, Australia (Renee O'Donnell,
	Darshini Ayton, Bengianni Pizzirani, Melissa Savaglio, Debra Fast, Dave Vicary and Helen Skouteris)
•	The <b>Medical Treatment Planning and Decisions Act 2016</b> : what is the role for <b>allied health professionals</b> ? (Aidan Borthwick and Peter Higgs)
•	Whose role is it? Primary care and the provision of <b>emotional support for</b> <b>women experiencing miscarriage</b> : a pilot qualitative Australian study (Vellyna Sumarno, Meredith J. Temple-Smith and Jade E. Bilardi)
•	The <b>ED2GP (emergency department to general practice) for Women</b> <b>study</b> : understanding lower follow-up rates among older women (Shaddy Hanna, Chun Wah Michael Tam, Andrew Knight, Linheng Zhao, Lucille Ban, Belinda Pellizzon and James Parks)
•	Effect of an intelligent family physician-optimised coordination model program on <b>hypertension management</b> in a Beijing community (Dan Li, Xuejuan Wei, Hao Wu, Xinying Liu, Caiying Ge and Wenjuan Gao)
•	National Cervical Screening Program renewal in Australia: survey of clinician views and attitudes (Sally Sweeney, Yan Cheng, Jessica R Botfield and Deborah Bateson)
•	Australian <b>osteopaths as non-medical prescribers</b> : comparison of healthcare practitioner characteristics from a nationally representative survey (Brett Vaughan, Michael Fleischmann, Kylie Fitzgerald, Sandra Grace, Paul Orrock and Amie Steel)
•	Current status of <b>pharmacy services in primary healthcare institutions in</b> <b>Jiangsu Province, China</b> (Yuankai Huang, Dongning Yao, Xiaoyu Xi, Yitao Wang and Wenbing Yao)

BMJ Quality & Safety online first articles

URL	https://qualitysafety.bmj.com/content/early/recent
	BMJ Quality & Safety has published a number of 'online first' articles, including:
Notes	• A realist synthesis of <b>quality improvement curricula</b> in undergraduate and postgraduate medical education: what works, for whom, and in what contexts? (Allison Brown, Kyle Lafreniere, David Freedman, Aditya Nidumolu, Matthew Mancuso, Kent Hecker, Aliya Kassam)
	• Use of <b>telecritical care for family visitation to ICU</b> during the COVID-19 pandemic: an interview study and sentiment analysis (Farzan Sasangohar, Atiya Dhala, Feibi Zheng, Nima Ahmadi, Bita Kash, Faisal Masud)
	• Standardised approach to measuring goal-based outcomes among older disabled adults: results from a multisite pilot (Erin R Giovannetti, Catherine A Clair, Lee A Jennings, Shana F Sandberg, Angelia Bowman, David B Reuben, Sarah H Scholle)
	• Mortality and pulmonary complications in patients undergoing upper
	<b>extremity surgery at the peak of the SARS-CoV-2 pandemic</b> in the UK: a national cohort study (Benjamin John Floyd Dean The Corona Hands Collaborative)

### International Journal for Quality in Health Care online first articles

URL	https://academic.oup.com/intqhc/advance-articles
	International Journal for Quality in Health Care has published a number of 'online first'
	articles, including:
	• Reengineer Health Care: A Human Factors and Ergonomics Framework
	to Improve the Socio-Technical System (Raquel Santos)
	• Trauma system accreditation and patient outcomes in British Columbia:
	An interrupted time series analysis. (Brice Batomen, Lynne Moore, Erin
	Strumpf, Natalie L Yanchar, Jaimini Thakore)
	• Perspectives on implementing a quality improvement collaborative to improve
	person-centered care for maternal and reproductive health in Kenya (Katie
NT (	Giessler, Avery Seefeld, Dominic Montagu, Beth Phillips, James Mwangi,
Notes	Meghan Munson, Cathy Green, James Opot, Ginger Golub)
	• The effect of electronic <b>audits and feedback in primary care</b> and factors that
	contribute to their effectiveness: a systematic review (Steve Van den Bulck, David Spitaels, Bert Vaes, Geert Goderis, Rosella Hermens, Patrik
	Vankrunkelsven)
	<ul> <li>Evaluation of clinical practice guideline quality: Comparison of two</li> </ul>
	appraisal tools (Meltem Esra Koc, Hilal Aksoy, Duygu Ayhan Baser,
	Aylin Baydar Artantas, Rabia Kahveci, Fatma Goksin Cihan)
	• Development and Psychometric Properties of the <b>Caring Behaviors</b>
	Assessment Tool Nursing Version-Short Form (Mehtap Akgün, Turan
	Selma Kavradim, İlkay Boz, Zeynep Özer)

### Online resources

### National COVID-19 Clinical Evidence Taskforce

### https://covid19evidence.net.au/

The National COVID-19 Clinical Evidence Taskforce is a collaboration of peak health professional bodies across Australia whose members are providing clinical care to people with COVID-19. The taskforce is undertaking continuous evidence surveillance to identify and rapidly synthesise emerging research in order to provide national, evidence-based guidelines and clinical flowcharts for the clinical care of people with COVID-19. The guidelines address questions that are specific to managing COVID-19 and cover the full disease course across mild, moderate, severe and critical illness. These are 'living' guidelines, updated with new research in near real-time in order to give reliable, up-to-the minute advice to clinicians providing frontline care in this unprecedented global health crisis.

### COVID-19 Critical Intelligence Unit

### https://www.aci.health.nsw.gov.au/covid-19/critical-intelligence-unit

The Agency for Clinical Innovation (ACI) in New South Wales has developed this page summarising rapid, evidence-based advice during the COVID-19 pandemic. Its operations focus on systems intelligence, clinical intelligence and evidence integration. The content includes a daily evidence digest and evidence checks on a discrete topic or question relating to the current COVID-19 pandemic.

# [UK] NICE Guidelines and Quality Standards https://www.nice.org.uk/guidance

The UK's National Institute for Health and Care Excellence (NICE) has published new (or updated) guidelines and quality standards. The latest reviews or updates are:

- NICE Guideline NG100 *Rheumatoid arthritis in adults: management* <u>https://www.nice.org.uk/guidance/ng100</u>
- NICE Guideline NG163 COVID-19 rapid guideline: managing symptoms (including at the end of life) in the community <a href="https://www.nice.org.uk/guidance/ng163">https://www.nice.org.uk/guidance/ng163</a>
- NICE Guideline NG173 COVID-19 rapid guideline: antibiotics for pneumonia in adults in hospital <u>https://www.nice.org.uk/guidance/ng173</u>

### [USA] Effective Health Care Program reports

https://effectivehealthcare.ahrq.gov/

The US Agency for Healthcare Research and Quality (AHRQ) has an Effective Health Care (EHC) Program. The EHC has released the following final reports and updates:

• Management of Colonic Diverticulitis https://effectivehealthcare.ahrq.gov/products/diverticulitis/research

### Disclaimer

On the Radar is an information resource of the Australian Commission on Safety and Quality in Health Care. The Commission is not responsible for the content of, nor does it endorse, any articles or sites listed. The Commission accepts no liability for the information or advice provided by these external links. Links are provided on the basis that users make their own decisions about the accuracy, currency and reliability of the information contained therein. Any opinions expressed are not necessarily those of the Australian Commission on Safety and Quality in Health Care.